Personal Systems Reference Lenovo® Essential Notebooks

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Lenovo V470

Lenovo V470

Lenovo V470

Lenovo V470

Lenovo V470

Lenovo V470

Lenovo® V470 (4396) - Integrated (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	Win7 preload
4396-27U	i7-2630QM	2.00	2.90	4+2GB	14.0" HD	LED	2.0M	Intel HD	750GB[8]	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
4396-28U	i3-2310M	2.10		2GBx2	14.0" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
☞ 4396-2BU	i3-2330M	2.20		4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
☞ 4396-2PU	i5-2430M	2.40	3.00	4+2GB	14.0" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
☞ 4396-2FU	i7-2670QM	2.20	3.10	4+2GB	14.0" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64

- ***14.0" widescreen, glossy display with LED backlight***
- ***Integrated 2.0 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™
Widescreen display	**14.0"** (355.6mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator
Graphics	**Intel HD Graphics 3000** in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 13.4" x 9.2" x 0.8" to 1.2"; 340mm x 234.6mm x 20.7mm to 31.3mm
Weight[2]	with optical drive and battery: *6-cell:* 4.85 lb (2.2 kg)
Case color	Black top, black bottom
Case material	*Top and palm rest:* Aluminum *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000	11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live Essential
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

Dual-core models: 65-watt AC adapter
Quad-core models: 90-watt AC adapter
Wireless on/off switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced December 21, 2011; previous models on June 8, 2011

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Lenovo® V470 (4396) - NVIDIA (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	Win7 preload
4396-25U	i5-2410M	2.30	2.90	2GBx2	14.0" HD	LED	2.0M	GT 525M	500GB[8]	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
4396-26U	i5-2410M	2.30	2.90	4+2GB	14.0" HD	LED	2.0M	GT 525M	750GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64

- ***14.0" widescreen, glossy display with LED backlight***
- ***Integrated 2.0 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™
Widescreen display	**14.0"** (355.6mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 3000** in processor, and **NVIDIA GeForce® GT 525M**, PCI Express® x16, **1GB** DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 13.4" x 9.2" x 0.8" to 1.2"; 340mm x 234.6mm x 20.7mm to 31.3mm
Weight[2]	with optical drive and battery: *6-cell:* 4.85 lb (2.2 kg)
Case color	Black top, black bottom
Case material	*Top and palm rest:* Aluminum *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000	11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live Essential
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

90-watt AC adapter
Wireless on/off switch
Graphic Optimus/Integrated switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US models announced June 8, 2011

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Lenovo V570

Lenovo V570

Lenovo V570

Lenovo V570

Lenovo V570

Lenovo V570

Lenovo® V570 (1066) - Integrated (web only models)

Type-model	Pro-cessor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	AC adapter	Win7 preload
1066-ABU	i3-2330M	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB[8]	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
1066-ACU	i5-2410M	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
1066-AEU	i7-2630QM	4+2GB	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	90W	Prem 64
1066-AAU	B950	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
☞ 1066-ARU	i5-2430M	4+2GB	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
☞ 1066-ANU	i7-2670QM	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	90W	Prem 64

- ***15.6" widescreen, glossy display with LED backlight***
- ***Integrated 2.0 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Pentium® B950 processor (dual-core, 2.10GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i7-2630QM processor (quad-core, 2.00GHz, 6MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™
Widescreen display	**15.6"** (396.2mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator
Graphics	**Intel HD Graphics** in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 14.9" x 9.9" x 1.3"; 378mm x 252mm x 32.3mm
Weight[2]	with optical drive and battery: *6-cell:* 5.29 lb (2.4 kg)
Case color	Silver gray top, black bottom
Case material	*Top and palm rest:* Aluminum *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000	11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

Some: 65-watt AC adapter
Some: 90-watt AC adapter
Wireless on/off switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced December 21, 2011; previous models on August 17, 2011

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Lenovo® V570 (1066) - NVIDIA (web only models)

Type-model	Pro-cessor	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	AC adapter	Win7 preload
1066-ADU	i5-2410M	2+4GB	15.6" HD	LED	2.0M	GT 525M	750GB[8]	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	90W	Prem 64

- ***15.6" widescreen, glossy display with LED backlight***
- ***Integrated 2.0 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™
Widescreen display	**15.6"** (396.2mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics** in processor, and **NVIDIA GeForce® GT 525M**, PCI Express® x16, **1GB** DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 14.9" x 9.9" x 1.3"; 378mm x 252mm x 32.3mm
Weight[2]	with optical drive and battery: *6-cell:* 5.29 lb (2.4 kg)
Case color	Silver gray top, black bottom
Case material	*Top and palm rest:* Aluminum *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000	11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
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Preloaded applications[14] (only some listed)
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- Windows Live Essentials
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- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

90-watt AC adapter
Wireless on/off switch
Graphic Optimus/Integrated switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US model(s) announced August 17, 2011

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Lenovo® B470 (4315) - Integrated (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	Win7 preload
4315-24U	i3-2310M	2.10	None	2GBx2	14.0" HD	LED	0.3M	Intel HD	500GB[8]	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
☞ 4315-25U	B800	1.50	None	4GBx1	14.0" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64
☞ 4315-26U	i3-2330M	2.20	None	4GBx1	14.0" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64

- ***14.0" widescreen, glossy display with LED backlight***
- ***Integrated 0.3 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage passwords***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***This system is Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high
Widescreen display	**14.0"** (355.6mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator
Graphics	**Intel HD Graphics** in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 13.4" x 9.2" x 1.3"; 340mm x 234.6mm x 33.6mm
Weight[2]	with optical drive and battery: *6-cell:* 4.85 lb (2.2 kg)
Case color	Black top, black bottom
Case material	*Top and palm rest:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 6 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000 11b/g/n	*Some:* 11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 *Some:* 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

Integrated models: 65-watt AC adapter
Wireless on/off switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced December 21, 2011; previous models on June 22, 2011

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Lenovo® B470 (4315) - NVIDIA (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	Win7 preload
4315-23U	i5-2410M	2.30	2.90	2GBx2	14.0" HD	LED	0.3M	GF 410M	500GB[8]	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64

- ***14.0" widescreen, glossy display with LED backlight***
- ***Integrated 0.3 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage passwords***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***This system is Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high
Widescreen display	**14.0"** (355.6mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 3000** in processor, and **NVIDIA GeForce® 410M**, PCI Express® x16, **1GB** DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 13.4" x 9.2" x 1.3"; 340mm x 234.6mm x 33.6mm
Weight[2]	with optical drive and battery: *6-cell:* 4.85 lb (2.2 kg)
Case color	Black top, black bottom
Case material	*Top and palm rest:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5.8 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000	11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

Discrete models: 90-watt AC adapter
Wireless on/off switch
Graphic Optimus/Integrated switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US model announced June 22, 2011

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Lenovo® B570 (1068) - Integrated (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue-tooth	Battery	Win7 preload
1068-A2U	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB[8]	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
1068-A3U	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
☞ 1068-ARU	B800	1.50		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64
☞ 1068-ASU	i3-2330M	2.20		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64
☞ 1068-B3U	i5-2430M	2.40	3.00	4GBx1	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64

- ***15.6" widescreen, glossy display with LED backlight***
- ***Integrated 0.3 megapixel camera***
- ***Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows***
- ***Fingerprint reader for easy and secure login***
- ***BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage passwords***
- ***USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology
Memory	8GB max[7]; **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high,
Widescreen display	**15.6"** (396.2mm) **HD** (WXGA 1366x768) **TFT color**, **VibrantView** (glossy); **LED backlight**, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator
Graphics	**Intel HD Graphics** in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector
Keyboard	Full-size keyboard, 6-row, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch controls	None
Light sensor	None
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 14.9" x 9.9" x 1.3"; 378mm x 252mm x 33.1mm
Weight[2]	with optical drive and battery: *6-cell:* 5.18 lb (2.35 kg)
Case color	Black top, black bottom
Case material	*Top and palm rest:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic *Bottom:* Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	Up to 5.8 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	Two PCIe Mini Card slots
Intel 1000 11b/g/n	*Some:* 11b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 *Some:* 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	Gigabit ethernet, RealTek® RTL8111E, PCIe x1
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)
Security	Power-on password, hard disk password, administrator password, security lockhole
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live Essentials
- CyberLink YouCam
- VeriFace™
- Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Lenovo Security Suite
- USB Port Locker
- BioExcess

Integrated models: 65-watt AC adapter
Wireless on/off switch
EPEAT™ Silver rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **1-year Lenovo Onsite Repair**[13] 78Y1532
  - **1-year Onsite with accidental damage protection** 78Y1533
  - **2-year Lenovo Onsite Repair**[13] 78Y1536
  - **3-year Lenovo Depot Repair** 78Y1538
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced December 21, 2011; previous models on June 22, 2011

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Lenovo G460

Lenovo G460

Lenovo G460

Lenovo G560

Lenovo® G460 (0677) - Windows 7 (web only models)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI con-nector	Blue-tooth	Battery cells	Win7 preload	Avail date
✂ 0677-2GU	i3-330M	2.13		*4GB*	14.0" HD	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	Black	HDMI	Blue	6-cell	Prem 64	Jan 10
0677-7CU	i3-370M	2.40		*4GB*	14.0" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	HDMI	Blue	6-cell	Pro 64	Oct 10
0677-7DU	i5-460M	2.53	2.80	*4GB*	14.0" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	HDMI	Blue	6-cell	Pro 64	Oct 10
0677-7TU	i3-370M	2.40		*4GB*	14.0" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	HDMI	Blue	6-cell	Prem 64	Oct 10
0677-7UU	i5-460M	2.53	2.80	*4GB*	14.0" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	HDMI	Blue	6-cell	Prem 64	Oct 10
0677-7SU	i3-370M	2.40		*4GB*	14.0" HD	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Black	HDMI	Blue	6-cell	Pro 64	Dec 10
0677-2WU	i5-430M	2.26	2.53	*4GB*	14.0" HD	0.3M	GF 310M	320GB	DVD±RW	Intel 1000	Black	HDMI	Blue	6-cell	Prem 64	Dec 10
0677-7EU	i5-560M	2.66	3.20	*4GB*	14.0" HD	0.3M	GF 310M	500GB	DVD±RW	Intel 1000	Black	HDMI	Blue	6-cell	Prem 64	Dec 10
☞ 0677-9UU	i3-380M	2.53		*4GB*	14.0" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	HDMI	Blue	6-cell	Prem 64	Mar 11
☞ 0677-9XU	i5-480M	2.66	2.93	*4GB*	14.0" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	HDMI	Blue	6-cell	Prem 64	Mar 11

- ***14.0" widescreen, glossy display***
- ***Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processo	**Intel® Core™ i3 processor i3-330M**, **i3-370M**, or **i3-380M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache **Intel Core i5 processor i5-430M**, **i5-460M**, **i5-480M**, or **i5-560M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
Diskette drive	None
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**320GB** (5400 rpm), **500GB** (5400 rpm), or **750GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**14.0"** (355.6mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus
Graphics	*Some:* **Intel HD Graphics in processor,** *Some:* **NVIDIA® GeForce® 310M**, PCI Express x16, **512MB** memory, DirectX 10.1, PureVideo® HD technology, CUDA™ technology external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	None
Touch controls	OneKey Theater, mute, volume up, and volume down buttons
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)
Dimensions[3]	*(WxDxH):* 13.4" x 9.13" x 0.68" to 1.35"; 340.0mm x 231.8mm x 17.2 to 34.4mm
Weight[2]	with optical drive and battery: *6-cell:* from 4.85 lb (2.2kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Discrete models:* up to 3.5 hr; *Integrated models:* up to 4 hr
Chipset	**Mobile Intel HM55 Express Chipset**
ExpressCard/34	One slot (ExpressCard/34)
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Two USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter
Bluetooth™	Bluetooth 2.1 wireless, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Some: Genuine Windows® 7 Home Premium 64
- Some: Genuine Windows 7 Professional 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced March 2, 2011; previous models on January 26, October 20, or December 1, 2010
✂ US model withdrawn effective December 2010

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Lenovo® G470 (4328) - Windows 7 (web only models)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI con-nector	Blue-tooth	Battery cells	Win7 preload
4328-24U	i3-2310M	2.10		2GBx2	14.0" HD	2.0M	Intel HD	500GB[8]	DVD±RW	11b/g/n[28]	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-25U	i3-2310M	2.10		2GBx2	14.0" HD	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-26U	i5-2410M	2.30	2.90	2GBx2	14.0" HD	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-27U	i5-2410M	2.30	2.90	2+4GB	14.0" HD	2.0M	HD 6370M	640GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-2UU	i5-2410M	2.30	2.90	2GBx2	14.0" HD	2.0M	Intel HD	500GB	Blu-ray	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-2VU	i5-2410M	2.30	2.90	4GBx2	14.0" HD	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-2WU	i5-2410M	2.30	2.90	4GBx2	14.0" HD	2.0M	Intel HD	750GB	Blu-ray	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-35U	i5-2410M	2.30	2.90	2+4GB	14.0" HD	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
☞ 4328-34U	B800	1.50		4GBx1	14.0" HD	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
☞ 4328-39U	i3-2330M	2.20		4GBx1	14.0" HD	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
☞ 4328-3DU	i5-2430M	2.40	3.00	4GBx1	14.0" HD	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
☞ 4328-3CU	i5-2430M	2.40	3.00	4+2GB	14.0" HD	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
☞ 4328-3BU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64

- ***14.0" widescreen, glossy display***
- ***Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These system are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processo	**Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2310M processor (2 cores / 4 threads, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i5-2410M processor (2 cores / 4 threads, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz) **Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz)
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Diskette drive	None
SATA optical	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in *Some:* Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in
SATA disk	**500GB** (5400 rpm), **640GB** (5400 rpm), or **750GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**14.0"** (355.6mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus
Graphics	*Some:* **Intel HD Graphics in processor;** *Some:* **AMD Radeon™ HD 6370M Graphics**, PCI Express x16, **512MB** memory, DirectX® 11; external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	None
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch
Dimensions[3]	*(WxDxH):* 13.4" x 9.13" x 0.68" to 1.35"; 340.0mm x 231.8mm x 17.2 to 34.4mm
Weight[2]	with optical drive and battery: *6-cell:* from 4.85 lb (2.2kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Discrete models:* up to 5 hr; *Integrated models:* up to 6 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

Integrated models: 65-watt AC adapter
Discrete models: 90-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced December 21, 2011; previous models on February 16, June 8, or September 1, 2011

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Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI con-nector	Express-Card	eSATA port	Win7 preload	Avail date
0679-3JU	i5-430M	2.26	2.53	*4GB*	15.6" HD	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	Black	HDMI	/34	eSATA	Prem 64	Apr 10
0679-98U	P6100	2.00		*4GB*	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black				Prem 64	Aug 10
0679-99U	P6100	2.00		*4GB*	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black				Prem 64	Aug 10
☞ 0679-AJU	P6200	2.13		2GB	15.6" HD	0.3M	Intel HD	250GB	DVD±RW	11b/g/n	Black				Prem 64	Feb 11
☞ 0679-ALU	P6200	2.13		*4GB*	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black				Prem 64	Feb 11
☞ 0679-AKU	i3-380M	2.53		*4GB*	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black				Prem 64	Feb 11

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processo	**Intel® Pentium® processor P6100** or **P6200** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), and 3MB cache or **Intel Core™ i3 processor i3-380M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or **Intel Core i5 processor i5-430M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache
Memory	**2GB** or **4GB** std / 8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; 1 socket available
Diskette drive	None
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**250GB** (5400 rpm), **320GB** (5400 rpm), or **500GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus
Integrated graphics	**Intel HD Graphics in processor,** external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (on selected models)
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch controls	OneKey Theater, mute, volume up, and volume down buttons
Touch pad	One-piece touch pad with two button function, supports scroll feature
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*6-cell:* up to 4 hr
Chipset	**Mobile Intel HM55 Express Chipset**
ExpressCard/34	*Some:* One slot (ExpressCard/34)
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Two USB 2.0, one USB 2.0/eSATA combo port (eSATA available on selected models), ethernet (RJ-45), monitor (VGA DB-15, HDMI on selected models)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced February 16, 2011; previous models on April 7 or August 25, 2010

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Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	HDMI con-nector	Blue-tooth	Battery cells	Win7 preload	Avail date
0679-23U	i3-330M	2.13	None	*4GB*	15.6" HD	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	Black	HDMI	None	6-cell	Prem 64	Apr 10

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***This system is Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processo	**Intel® Core™ i3 processor i3-330M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
Diskette drive	None
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**320GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus
Integrated graphics	**Intel HD Graphics in processor,** external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch controls	OneKey Theater, mute, volume up, and volume down buttons
Touch pad	One-piece touch pad with two button function, supports scroll feature
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*6-cell:* up to 4 hr
Chipset	**Mobile Intel HM55 Express Chipset**
ExpressCard/34	One slot (ExpressCard/34)
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Two USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US model announced May 12, 2010

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Lenovo® G560 (0679) - Windows 7 (web only models)

Type-model	Pro-cessor	GHz	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload	Avail date
0679-2AU	i3-330M	2.13	*4GB*	15.6" HD	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	Black	HDMI	None	6-cell	Prem 64	Jan 10

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***This system is Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processo	**Intel® Core™ i3 processor i3-330M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
Diskette drive	None
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**320GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus
Integrated graphics	**Intel HD Graphics in processor,** external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch controls	OneKey Theater, mute, volume up, and volume down buttons
Touch pad	One-piece touch pad with two button function, supports scroll feature
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*6-cell:* up to 4 hr
Chipset	**Mobile Intel HM55 Express Chipset**
ExpressCard/34	One slot (ExpressCard/34)
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Two USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US model announced January 26, 2010

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Lenovo® G560e (1050) - Integrated (Windows 7)

Type-model	Pro-cessor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	Chipset	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Card reader	Blue-tooth	Win7 preload	Avail date
1050-42U	T3500	2.10	2GBx1	15.6" HD	LED	0.3M	4500MHD	GM45	250GB[8]	DVD±RW	11b/g/n[28]	Dark Blue	5-in-1	None	Prem 64	Apr 11

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***This system is Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Celeron® Processor T3500** with **dual-core**, 800MHz system bus, and 1MB L2 cache
Memory	8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Diskette drive	None
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**250GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable
Widescreen display	**15.6"** (396.2mm) **HD (WXGA 1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus
Integrated graphics	**Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, in GM45, external analog monitor support via VGA DB-15 connector; *Max external resolution:* 2048x1536@85Hz (VGA)
Keyboard	Full-size keyboard, Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch
Dimensions[3]	*(WxDxH):* 14.8" x 9.8" x 0.7" to 1.4"; 376mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6 kg)
Case color	Dark blue top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*6-cell:* up to 4 hr
Chipset	**Mobile Intel GM45 Express Chipset** (Memory Controller Hub), ICH9M I/O Controller Hub
ExpressCard/34	None
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Three USB 2.0, external monitor (VGA), ethernet (RJ-45)
TV tuner	None
Mini PCI Express 11b/g/n	One Mini PCI Express slot 11b/g/n wireless[4], PCIe Half Mini Card, Broadcom® or Atheros® chip
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, user password, supervisor password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Windows Live™ Essentials
- CyberLink YouCam
- VeriFace™
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)
- Microsoft Office 2010 preloaded; purchase product key to activate

65-watt AC adapter
Wireless on/off switch
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US model announced April 7, 2011

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Lenovo® G570 (4334) - Windows 7

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
4334-46U	i3-2310M	2.10		4GBx1	15.6" HD	0.3M	Intel HD	500GB[8]	DVD±RW	11b/g/n[28]	Dark brown	HDMI		6-cell	Prem 64
4334-5NU	i3-2310M	2.10		2GBx2	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Dark brown			6-cell	Prem 64
4334-5TU	i3-2310M	2.10		2GBx2	15.6" HD	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
4334-62U	B940	2.00		2+1GB	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-4JU	B940	2.00		2GBx1	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-4QU	B940	2.00		2GBx2	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7RU	B950	2.10		2GBx1	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7UU	B950	2.10		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7PU	i3-2330M	2.20		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7QU	i3-2330M	2.20		4+2GB	15.6" HD	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
4334-8PU	i5-2430M	2.40	3.00	4GBx1	15.6" HD	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
☞ 4334-9HU	B960	2.20		2GBx1	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
☞ 4334-9EU	B960	2.20		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
☞ 4334-9LU	i3-2350M	2.30		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
☞ 4334-9KU	i5-2450M	2.50	3.10	4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***These systems are Microsoft Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Pentium® B940 processor (2 cores / 2 threads, 2.00GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Pentium B950 processor (2 cores / 2 threads, 2.10GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Pentium B960 processor (2 cores / 2 threads, 2.20GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2310M processor (2 cores / 4 threads, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i3-2350M processor (2 cores / 4 threads, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz) **Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz)
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Diskette drive	None
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**320GB** (5400 rpm), **500GB** (5400 rpm), or **750GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus
Integrated graphics	**Intel HD Graphics** in processor**,** external analog monitor support via VGA DB-15 connector, *Some:* digital monitor support via HDMI connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Black or dark brown top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Integrated models:* up to 6 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI on some models), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft® Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced January 18, 2012; previous model on March 23, July 6, or October 13, 2011

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Lenovo® G570 (4334) - Windows 7 (web only models)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk GB[8] rpm	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
4334-2HU	i3-2310M	2.10		2GBx2	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n[28]	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-2JU	i3-2310M	2.10		2GBx2	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-2KU	i5-2410M	2.30	2.90	2GBx2	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-4AU	i5-2410M	2.30	2.90	2GBx2	15.6" HD	2.0M	Intel HD	500GB 5400	Blu-ray	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-5JU	i5-2410M	2.30	2.90	4GBx2	15.6" HD	2.0M	Intel HD	750GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-5HU	i5-2410M	2.30	2.90	4GBx2	15.6" HD	2.0M	Intel HD	750GB 5400	Blu-ray	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-5ZU	B940	2.00		2GBx1	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
4334-5YU	B940	2.00		4GBx1	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
4334-7XU	B800	1.50		4GBx1	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
4334-A2U	i5-2430M	2.40	3.00	4GBx1	15.6" HD	2.0M	Intel HD	500GB 5400	Blu-ray	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-A8U	i5-2430M	2.40	3.00	4+2GB	15.6" HD	2.0M	Intel HD	750GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-B7U	i5-2430M	2.40	3.00	4GBx2	15.6" HD	2.0M	Intel HD	500GB 7200	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4334-B8U	i5-2430M	2.40	3.00	4+2GB	15.6" HD	2.0M	Intel HD	500GB 7200	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
☞ 4334-CYU	i3-2350M	2.30		4+2GB	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
☞ 4334-A5U	i5-2430M	2.40	3.00	4GBx2	15.6" HD	2.0M	Intel HD	750GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
☞ 4334-D4U	i5-2450M	2.50	3.10	4GBx2	15.6" HD	2.0M	Intel HD	500GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
☞ 4334-CZU	i5-2450M	2.50	3.10	4GBx2	15.6" HD	2.0M	Intel HD	750GB 5400	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64

- ***15.6" widescreen, glossy display***
- ***Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Celeron® B800 processor (2 cores / 2 threads, 1.50GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Pentium® B940 processor (2 cores / 2 threads, 2.00GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2310M processor (2 cores / 4 threads, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i3-2350M processor (2 cores / 4 threads, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i5-2410M processor (2 cores / 4 threads, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz) **Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz) **Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz)
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;
Diskette drive	None
SATA optical	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in *Some:* Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in
SATA disk	**500GB** (5400 rpm), **500GB** (7200 rpm), or **750GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus
Integrated graphics	**Intel HD Graphics in processor**, uses system memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Dark brown top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Discrete models:* up to 5 hr; *Integrated models:* up to 6 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced January 18, 2012; previous models on February 16, June 8, August 10, October 13, or December 21, 2011

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Lenovo® G575 (4383) - Integrated

Type-model	Processor	GHz	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
4383-48U	AMD E-350	1.60	4GBx1	15.6" HD LED	0.3M	HD 6310M	500GB[8]	DVD±RW	11b/g/n[28]	Black	None	None	6-cell	Prem 64
4383-3CU	AMD E-350	1.60	1+2GB	15.6" HD LED	0.3M	HD 6310M	320GB	DVD±RW	11b/g/n	Black	None	None	6-cell	Prem 64
☞ 4383-3YU	AMD E-450	1.65	4GBx1	15.6" HD LED	0.3M	HD 6320M	500GB	DVD±RW	11b/g/n	Black	None	None	6-cell	Prem 64
☞ 4383-4HU	AMD E-450	1.65	4GBx1	15.6" HD LED	0.3M	HD 6320M	320GB	DVD±RW	11b/g/n	Black	None	None	6-cell	Prem 64

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**AMD Accelerated Processor E-350** (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310M Graphics, integrated DDR3 memory controller (up to 1066MHz) **AMD Accelerated Processor E-450** (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon HD 6320M Graphics, integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, two 204-pin SO-DIMM sockets
Diskette drive	None
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**320GB** (5400 rpm) or **500GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus
Integrated graphics	*Some:* **AMD Radeon HD 6310M Graphics**, in processor, DirectX® 11, use system memory, *Some:* **AMD Radeon HD 6320M Graphics**, in processor, DirectX 11, use system memory, External monitor support via analog VGA DB-15 connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Integrated models:* up to 6 hr
Chipset	**AMD A50M FCH**
ExpressCard/34	None
Multicard reader	2-in-1 reader (MMC, Secure Digital Card)
Ports	Four USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)

40-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US models announced October 13, 2011; previous models on August 10, 2011

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Lenovo® G575 (4383) - Integrated (web only models)

Type-model	Processor	GHz	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
4383-3NU	AMD E-350	1.60	4GBx1	15.6" HD LED	2.0M	HD 6310M	750GB[8]	DVD±RW	11b/g/n[28]	Black	None	None	6-cell	Prem 64
4383-3PU	AMD E-350	1.60	4GBx1	15.6" HD LED	2.0M	HD 6310M	500GB	DVD±RW	11b/g/n	Black	None	None	6-cell	Prem 64

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**AMD Accelerated Processor E-350** (dual-core, 1.60GHz, 1MB L2 cache)**,** integrated AMD Radeon™ HD 6310M Graphics, integrated DDR3 memory controller (up to 1066MHz)
Memory	8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, two 204-pin SO-DIMM sockets
Diskette drive	None
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus
Integrated graphics	**AMD Radeon HD 6310M Graphics**, in processor, DirectX® 11, use system memory, External monitor support via analog VGA DB-15 connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Integrated models:* up to 6 hr
Chipset	**AMD A50M FCH**
ExpressCard/34	None
Multicard reader	2-in-1 reader (MMC, Secure Digital Card)
Ports	Four USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)

40-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US models announced August 10, 2011

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Lenovo® G575 (4383) - Switchable (web only models)

Type-model	Processor	GHz	Memory	Widescreen display	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
4383-4PU	AMD E-450	1.65	4+2GB	15.6" HD LED	0.3M	HD 6370M	750GB[8]	DVD±RW	11b/g/n[28]	Black	None	BT2.1	6-cell	Prem 64

- ***15.6" widescreen, glossy display***
- ***Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**AMD Accelerated Processor E-450** (dual-core, 1.65GHz, 1MB L2 cache)**,** integrated AMD Radeon™ HD 6320M Graphics, integrated DDR3 memory controller (up to 1333MHz)
Memory	8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, two 204-pin SO-DIMM sockets
Diskette drive	None
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in
SATA disk	**750GB** (5400 rpm) / SATA 3.0Gb/s, 9.5mm high
Widescreen display	**15.6"** (396.2mm) **HD (1366x768) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus
Switchable graphics	Dynamic switching between discrete and integrated graphics (user selectable), **AMD Radeon HD 6320M Graphics** in processor, and **AMD Radeon HD 6370M Graphics**, PCI Express® x16, 1GB memory, DirectX® 11, external analog monitor support via VGA DB-15 connector
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch
Dimensions[3]	*(WxDxH):* 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 5.73 lb (2.6kg)
Case color	Black top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Integrated models:* up to 6 hr
Chipset	**AMD A50M FCH**
ExpressCard/34	None
Multicard reader	2-in-1 reader (MMC, Secure Digital Card)
Ports	Four USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	One PCI Express Mini Card slot
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US model(s) announced October 13, 2011

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Lenovo G770

Lenovo G770

Lenovo G770

Lenovo G770

Lenovo G770

Lenovo G770

Lenovo® G770 (1037) - Integrated (Windows 7)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	Optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
1037-2MU	i3-2310M	2.10		2GBx2	17.3" HD+	2.0M	Intel HD	750GB[8]	Blu-ray	11b/g/n[28]	Dark brown	HDMI		6-cell	Prem 64
1037-28U	i3-2310M	2.10		2GBx2	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
1037-2LU	i5-2410M	2.30	2.90	2GBx2	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2WU	i3-2330M	2.20		4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
1037-2UU	i3-2330M	2.20		4GBx1	17.3" HD+	2.0M	Intel HD	750GB	Blu-ray	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
1037-2VU	i5-2430M	2.40	3.00	4+2GB	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2XU	i5-2430M	2.40	3.00	4GBx2	17.3" HD+	2.0M	Intel HD	750GB	Blu-ray	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
☞ 1037-5FU	i3-2350M	2.30		4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
☞ 1037-5WU	i5-2450M	2.50	3.10	4+2GB	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64

- ***17.3" widescreen, glossy display***
- ***Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Diskette drive	None
Optical	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in *Some:* Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high
Widescreen display	**17.3"** (439.4mm) **HD+ (1600x900) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus
Integrated graphics	**Intel HD Graphics 3000** in processor**,** external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 6.61 lb (3.0kg)
Case color	Dark brown top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Integrated models:* up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card	One PCI Express Mini Card slot
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- Windows Live™ Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced January 18, 2012; previous models on July 6 or October 13, 2011

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Lenovo® G770 (1037) - Integrated (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
1037-2GU	i5-2410M	2.30	2.90	4GBx2	17.3" HD+	2.0M	Intel HD	750GB[8]	DVD±RW	11b/g/n[28]	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2HU	i5-2410M	2.30	2.90	2GBx2	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-52U	i5-2410M	2.30	2.90	4+2GB	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-53U	i5-2410M	2.30	2.90	4+2GB	17.3" HD+	2.0M	Intel HD	750GB	Blu-ray	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2YU	i3-2330M	2.20		4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-5NU	i5-2430M	2.40	3.00	4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-5MU	i5-2430M	2.40	3.00	4+2GB	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-5KU	i5-2430M	2.40	3.00	4GBx2	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
☞ 1037-56U	B800	1.50		4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
☞ 1037-5SU	i5-2450M	2.50	3.10	4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
☞ 1037-5RU	i5-2450M	2.50	3.10	4+2GB	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
☞ 1037-5PU	i5-2450M	2.50	3.10	4GBx2	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64

- ***17.3" widescreen, glossy display***
- ***Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Celeron® B800 processor (2 cores / 2 threads, 1.50GHz, 2MB cache)**, DDR3 memory controller (up to 1333MHz) **Intel Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), HT technology **Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;
Diskette drive	None
Optical	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in *Some:* Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in
SATA disk	**500GB** (5400 rpm) or **750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high
Widescreen display	**17.3"** (439.4mm) **HD+ (1600x900) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus
Integrated graphics	**Intel HD Graphics in processor,** external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 6.61 lb (3.0kg)
Case color	Dark brown top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Integrated models:* up to 5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- Windows Live™ Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

65-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced January 18, 2012; previous models on June 08, October 13, or December 21, 2011

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Lenovo® G770 (1037) - Discrete (Windows 7)

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Graphics	SATA disk	Optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
1037-2KU	i5-2410M	2.30	2.90	4+2GB	17.3" HD+	2.0M	HD 6650M	750GB[8]	Blu-ray	11b/g/n[28]	Dark brown	HDMI	BT2.1	6-cell	Prem 64

- ***17.3" widescreen, glossy display***
- ***Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***This system is Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Diskette drive	None
Optical	Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in
SATA disk	**750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high
Widescreen display	**17.3"** (439.4mm) **HD+ (1600x900) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus
Graphics	**AMD Radeon™ HD 6650M**, PCI Express® x16, **1GB** DDR3 memory, DirectX® 11, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 6.61 lb (3.0kg)
Case color	Dark brown top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Discrete models:* up to 4.5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- Windows Live™ Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (Blu-ray)

90-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
  - **1-year Mail In with accidental damage protection** 55Y2511
  - **3-year Mail In with accidental damage protection** 78Y1539
  - **3-year Onsite warranty** 78Y1540
  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US model announced July 6, 2011

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Lenovo® G770 (1037) - Discrete (Windows 7) - web only models

Type-model	Pro-cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam-era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue-tooth	Battery cells	Win7 preload
1037-2JU	i5-2410M	2.30	2.90	4GBx2	17.3" HD+	2.0M	HD 6650M	750GB[8]	DVD±RW	11b/g/n[28]	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-5LU	i5-2430M	2.40	3.00	4GBx2	17.3" HD+	2.0M	HD 6650M	750GB	Blu-ray	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
☞ 1037-5QU	i5-2450M	2.50	3.10	4GBx2	17.3" HD+	2.0M	HD 6650M	750GB	Blu-ray	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64

- ***17.3" widescreen, glossy display***
- ***Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Widescreen flexibility; two-spindle*
Processor	**Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology **Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology **Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache)**, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;
Diskette drive	None
Optical	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in *Some:* Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in
SATA disk	**750GB** (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high
Widescreen display	**17.3"** (439.4mm) **HD+ (1600x900) TFT color**, **VibrantView** (glossy), **LED backlight,** 220 nits, 16:9 aspect ratio, 500:1 contrast ratio
Camera	Camera on top of screen, 2.0-megapixel, fixed focus
Graphics	**AMD Radeon™ HD 6650M**, PCI Express® x16, **1GB** DDR3 memory, DirectX® 11, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)
Keyboard	Full-size keyboard, multimedia Fn keys, recovery key
Numeric keypad	Numeric keypad on right of keyboard
Touch pad	Two-button touch pad with scroll feature, multi-touch
Dimensions[3]	*(WxDxH):* 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm
Weight[2]	with optical drive and battery: *6-cell:* from 6.61 lb (3.0kg)
Case color	Dark brown top, black bottom
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Battery - type	Lithium Ion **6-cell**
Battery - life[10]	*Discrete models:* up to 4.5 hr
Chipset	**Mobile Intel HM65 Express Chipset**
ExpressCard/34	None
Multicard reader	5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)
TV tuner	None
PCIe Mini Card 11b/g/n[28]	One PCI Express Mini Card slot 11b/g/n wireless[4], PCIe Mini Card adapter, Broadcom® or Atheros® chip
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface
Modem	None
Ethernet	10/100 ethernet, Atheros AR8152L
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Hard disk password, user password, administrator password, security lockhole
Fingerprint reader	None

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo OneKey Recovery
- Lenovo ReadyComm
- ooVoo™
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- Windows Live™ Essentials
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate
- VeriFace™
- Lenovo Energy Management Software
- Lenovo DirectShare
- Cyberlink Power2Go (DVD±RW)

90-watt AC adapter
Wireless on/off switch
EPEAT™ Gold rating
ENERGY STAR® qualified
RoHS-compliant

Limited Warranty[12]

- **1-year warranty*:**
  *** 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter**
- **Mail In repair service**
- **Service upgrade options**[58] **(in eligible locations):**[9]
  - **3-year Depot warranty** 78Y1538
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  - **1-year Onsite with accidental damage protection** 78Y1533
- **Toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
☞ US model(s) announced January 18, 2012; previous models on June 8 or December 21, 2011

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Partial list of Lenovo® Care Services[22] for Lenovo Essential notebooks

For more information see:
http://www.lenovo.com/services_warranty/us/en/index.html

Lenovo Care service upgrade options

Lenovo Value Line notebooks with 1-year Mail In warranty

Mail in = Mail In repair, ADP = Accidental Damage Protection

2-year Depot warranty	78Y1534
3-year Depot warranty	78Y1538
1-year Mail In warranty with ADP	55Y2511
2-year Mail In warranty with ADP	78Y1535
3-year Mail In warranty with ADP	78Y1539

LOR = Lenovo Onsite Repair, ADP = Accidental Damage Protection

1-year LOR warranty 9x5 NBD	78Y1532
2-year LOR warranty 9x5 NBD	78Y1536
3-year LOR warranty 9x5 NBD	78Y1540
1-year LOR warranty 9x5 NBD with ADP	78Y1533
2-year LOR warranty 9x5 NBD with ADP	78Y1537
3-year LOR warranty 9x5 NBD with ADP	78Y1541

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

[1] Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.

[2] **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.

[3] **Thinness** may vary at certain points on the system.

[4] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[5] **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

[6] **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[7] **Maximum memory capacity** may require the replacement of standard component with largest supported component available. Even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

[8] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[9] **Service upgrade options:** Upgrades do not apply to components covered for 90 days. Those remain at 90-day warranty

[10] **Battery:** These model numbers achieved Battery Rundown Time of at least the time shown during testing. A description of the testing available at **lenovo.com**/pc/ww/thinkpad/batterylife. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

[11] **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

[12] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[13] **Onsite Service:** If a machine is listed as having "On-site", this means that on-site service is available for the replacement of parts for warranty repairs. Certain parts, referred to as Customer Replaceable Unit ("CRU") parts, are easy to install and require little or no tools or technical knowledge. Some examples of CRU parts are mice, keyboards, hard disk drives, speakers, and memory. If your problem can be resolved with a CRU, the Support Center will offer to ship the part to you for you to install.

[14] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

[15] **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[17] **International Warranty Service** is available for most products in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[18] **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.

[19] **EasyServ depot repair:** The customer may be asked certain diagnostic questions before a courier is sent. Your purchase includes this depot repair service, available in the U.S. during the limited warranty period.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[21] **For combination drives**, maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.

[22] **Lenovo Care Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part can be express shipped to you for quick replacement. For notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.

[25] **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

[28] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

[58] **Service upgrade options for Split Warranty:** (1) Mail In upgrades cover all components except power adapter, keyboard, plastics, and hinges after 90 days through end of first year. The "Mail-In" upgrades require customer to pay the leg of shipping into the depot repair center. (2) Onsite upgrades cover all components except power adapter, keyboard, plastics, and hinges after 90 days through end of term selected. (3) Accidental Damage Protection covers all components through the end of the term selected.

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